

Claims

1) (Currently Amended) An apparatus comprising:

a first device including a microcontroller, a safety switch mechanism, a power feed coupled to the safety switch mechanism, and contact points;

a second device;

a surface including ~~a set of contact points~~, a switch matrix, a set of switch contacts, from which at a first pair couples to the first device, and a second pair couples to the second device,

a microcontroller to request a power supply deliver an identified voltage and current via switch matrix to at least one of the first and second set of contacts;

the surface operable to couple to ~~at~~ the first device through the at least one contact point to couple to a second device through a second contact point, to establish communication between the first device and the second device through the surface for data exchange, wherein the first and second devices do not include aerial wireless data capabilities.

2) (Currently Amended) The apparatus of claim 1, wherein the surface is to provide a medium to non-aerial wirelessly exchange data between the first and second device, wherein the second device is separated from or in contact with the surface ~~(would need to be in contact if has no wireless ability—can cancel this claim in view of amendments to 1).~~

3) (Canceled)

4) (Previously Amended) The apparatus of claim 1, wherein the surface is to provide a medium to exchange data between the first device and a third device, wherein the third device is coupled to the surface via a third contact point.

5) (Previously Amended) The apparatus of claim 1, wherein the surface is to provide a medium to exchange data between the third device and a fourth device coupled to the surface via fourth contact point.

6) (Previously Amended) The apparatus of claim 1, wherein the surface is to supply power to a device via the at least one contact point.

7) (Previously Amended) The apparatus of claim 5, wherein the one of first, second, and third devices is one of a notebook computer, a cell phone, and a personal digital assistant (PDA).

8) (Canceled)

9) (Currently Amended) The apparatus of claim 1 wherein the safety switch mechanism includes a matrix of transistors.

10) (Canceled)

11) (Original) The apparatus of claim 2, wherein the first device is to transmit, via the surface, a key to the second device to have the first and second device transmit additional data between the first and second devices via a separate wireless protocol.

12) (Original) The apparatus of claim 1, wherein the separate wireless protocol is one of a group wireless communication protocol standards comprising of 802.11d protocol, 802.11a protocol, 802.11j protocol, or Bluetooth.

13) (Previously Amended) The apparatus of claim 1, wherein at least one of the first, second and third devices includes at least one of Ethernet controller, a media access control controller, and a low-pass/high-pass switch filter.

14) (Original) The apparatus of claim 1, wherein at least one of the first, second and third devices is a display device, and the surface is to provide a medium to transmit data to the display to be displayed.

15) (Original) The apparatus of claim 1, wherein at least one of the first, second and third devices is a display device, and the surface is to provide a medium to transmit video to the display to be displayed.

16) (Original) The apparatus of claim 15, wherein the surface includes a video capture to receive an analog input and convert the analog signal to digital to be displayed.

17) (Previously Amended) The apparatus of claim 16, wherein the surface further includes a Base System-On-Chip to interface between at least one of a video capture, a video buffer, and a controller of the surface.

18) (Original) The apparatus of claim 17, wherein the controller of the surface is an 802.11 communication protocol controller.

19) (Original) The apparatus of claim 18, wherein the controller of the surface includes a radio frequency transceiver.

20) (Previously Amended) The apparatus of claim 7, wherein the surface provides an Internet connection to at least one of the first, second and third devices.